(14)

Bruhat Bangalore Mahanagara Palike

EAST Zone
HEBBAL DIVISION

Estimate

Name of the Work: Providing sanitary connection to the public toilet at Bulleward Park in ward 18

Estimate cost Rs.1.00 Lakhs

HEBBAL Sub-Division

(13)

Report

Name of Work:- Providing Sanitary connections to public toilet at Bulleward park in ward no-18

Detailed estimate for above work in ward no 18 is prepared with following provisions.

1. Scarifying bituminous course 50mm to 75mm
2. Removing B.S. Slab drain and stacking, Refixing stone slabs of drains
3. Dismantling size stone masonry in clay mortar.
4. Earthwork in excavation of foundation
5. Constructing brick masonry inspection chamber 455x610mm
6. Dismantling of existing structures like culverts, bridges, retaining walls
7. Providing and laying in position to required level or slope 100mm
8. Providing and constructing granite/ trap/basalt size stone masonry in basement
9. Providing and constructing granite/ trap/basalt size stone masonry in basement with available stones
10. Providing ruled pointing to coursed stone masonry with cement mortar 1:3
11. Providing & fixing Unicorn tiles for footpath
12. Refixing of pipes

The above estimate is prepared for Rs: - 1.00 Lakhs and Submitted for administrative approval and technical Sanction.

Early approval to the estimate is requested.

Assistant Engineer
Wardno-18

Assistant Executive Engineer
Hebbal Sub division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

e of work: Providing Sanitary connections to public toilet at Bulleward park in ward no-18

Estimate Cost Rs.1,00,000.00

Sl. No	Description of work	No	Dimensions L	B	D	Quantity	Rate	Unit	Amount
1	Scarifying bituminous course 50mm to 75mm thick along with premix carpet/ surface dressing by manual means without disturbing the base and stacking of the debris materials within a lead of 100mtrs including cost of all labour charges complete as per specifications. (P-155 I No. 19.55)								
		1	10.00	0.90		9.00			
		1	1.00	0.90		0.90			
					Total	**9.90**	**42.72**	**Sqm**	**423.00**
	Basic Rate	40.30							
	Total	40.30							
	Area Weightage @ 6%	2.42							
	Total	**42.72**							
2	Removing B.S. Slab drain and stacking, Refixing stone slabs of drains and pointing in C.M. (1:3) (P-28 I No. 5.32 & 5.33)								
		1	2.00	1.50		3.00			
		1	2.00	2.00		4.00			
		2	2.00	1.65		6.60	106.92		1454.11
					Total	**13.60**	**106.00**	**Sqm**	**1442.00**
	Basic Rate	44.00							
		56.00	55.00						
	Total	100.00	99.00						
	Area Weightage @ 6%	6.00	7.92						
	Total	**106.00**	106.92						
3	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50m and removing the debris to a distance upto 200m. (P 268 I.No.37.48)								
		2	1.00	0.45	0.65	0.59			
		2	1.00	0.35	0.65	0.46	130.68		135.90
					Total	**1.04**	**128.26**	**Cum**	**133.00**
	Basic Rate	121.00							
	Area Weightage @ 6%	7.26	9.68						
	Total	**128.26**	130.68						
4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m. in and above in width, in hard soil not exceeding 1.5 m. in depth including dressing in bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50m. after breaking of clods complete as per specifications.(P.No.5, I.No.2.4).								
		1	20.00	0.90	1.20	21.60			
		1	20.00	0.90	1.20	21.60	217.08		9378.00
					Total	**43.20**	**213.06**	**Cum**	**9204.00**
	Basic Rate	201.00	216.08						
	Total	201.00							

	Area Weightage @ 6%	12.06							
	Total	**213.06**			600x600mm				
5	Constructing brick masonry inspection chamber ~~455~~x610mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455 x 610mm internal dimensions, total weight of cover with frame to be not less than 38kg. (weight of cover 23kg. and weight of frame 15kg) RCC top slab with cement concrete 1:2:4 mix 20mm and down size granite metal, foundation concrete 1:5:10 with 40mm and down size granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.,(P 74 I.No.11.50)								
		5				5.00			
					Total	**5.00**	**7038.40**	**Nos**	**35192.00**
	Basic Rate	6640.00	✓						
	Total	6640.00	✓						
	Area Weightage @ 6%	398.40	✓						
	Total	**7038.40**	✓						
6	KSRRB M200-14.1.Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters complete as per specifications. ii)Dismantling Brick/ Tile work. –do- Dismantling brick / Tile work B. in Cement mortar.. (Page No. 144, Item No. 18.23)								
		2	2.00	1.50	0.10	0.60			
		2	1.00	1.50	0.10	0.30			
					Total	**0.90**	**190.80**	**Cum**	**172.00**
	Basic Rate	180.00	✓						
	Total	180.00	✓						
	Area Weightage @ 6%	10.80	✓						
	Total	**190.80**	✓						
7	KSRB 12-1.1 : Providing and laying in position to required level or slope ~~100mm~~ 150mm internal diameter salt glazed stone ware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications. Providing and laying in position to required level or slope 150mm . (P-71 I.No.11.2)								
		2	25.00			50.00			
					Total	**50.00**	**338.14**	**Sqm**	**16907.00**
	Basic Rate	319.00	✓					m	
	Area Weightage @ 6%	19.14	✓						
	Total	**338.14**	✓						

	Providing and Constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (Page No. 26, Item No. 5.9)								
		2	2.50	0.45	0.65	1.46			
		2	2.50	0.35	0.60	1.05			
						2.51			
	Deduction					**0.62**			
					Total	**1.89**	**3230.88**	**Cum**	**6102.00**
	Basic Rate	3006.00							
	Diff of cement=1.40x30=42.00	42.00							
	Total	**3048.00**							
	Area Weightage @ 6%	182.88							
	Total	**3230.88**							
9	Providing and Constructing granite /trap/ baslat size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (Page No. 26, Item No. 5.9)with available stones								
	Qty Wide Item no	1.04	X60%			0.62			
					Total	**0.62**	**2348.43**	**Cum**	**1465.00**
	Basic Rate	3048.00							
	Availble stones rate	832.50							
	Total	2215.50							
	Area Weightage @ 6%	132.93							
	Total	**2348.43**							
10	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page no. 119, Item no. 15.3)								
		2x2	2.00	0.65		5.20			
					Total	**5.20**	**74.31**	**Sqm**	**386.00**
	Basic Rate	69.50							
	Diff of cement=0.02x30=0.60	0.60							
	Total	**70.10**							
	Area Weightage @ 6%	4.21							
	Grand Total	**74.31**							
11	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.459 cum machine mixed concrete laid in layers not exceeding 15 ams thick well compacted, in foundation and cills including cost of all materials labour HOM of machinery curing complete as per specification (P-12 I.No.4.6)								
		2x2	4.00	0.45	0.15	1.08			
		2x2	4.00	0.35	0.15	0.84			
		1x1	10.00	1.10	0.15	1.65			
					Total	**3.57**	**4349.18**	**Cum**	**15527.00**
	Basic Rate	3959.00							
	Diff of cement-4.80x30.00	144.00							
	Total	4103.00							
	Area Weightage @ 6%	246.18							
	Grand Total	**4349.18**							

	Providing & fixing Unicorn tiles for footpath								
		2	3.00	1.20		7.20			
					Total	7.20	1200.00	Sqm	8640.00
	Refixing of pipes								
	As per Qty no-4					43.20			
					Total	43.20	95.40	Sqm	4121.00
	Basic Rate	90.00						m	
	Total	90.00							
	Area Weightage @ 6%	5.40							7800
	Total	**95.40**							~~226.00~~
14	Misc and unforeseen charges								~~450.00~~
								Grand Total	*100000.00*

Certificate:

1. The work spot has been inspected and foun to be necessary
2. The work spot comes under BMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2010-11

Executive Engineer,
Hebbal Division,
Bangalore Mahanagara Palike

Assistant Engineer
Ward No. 18

Assistant Executive Engineer
Hebbal Sub-Division
BBMP

Executive Engineer
Hebbal Division
BBMP

ADMINISTRATIVELY SANCTIONED FOR
Rs. One lakh Only
Under P1771, POW-2011-12
Registered as EE(H), Vide No 07
Suoject to Conditions in Encloseo
Memo No. EE/ 11 /12-13 Dt. 30-04-2012

JE / AE

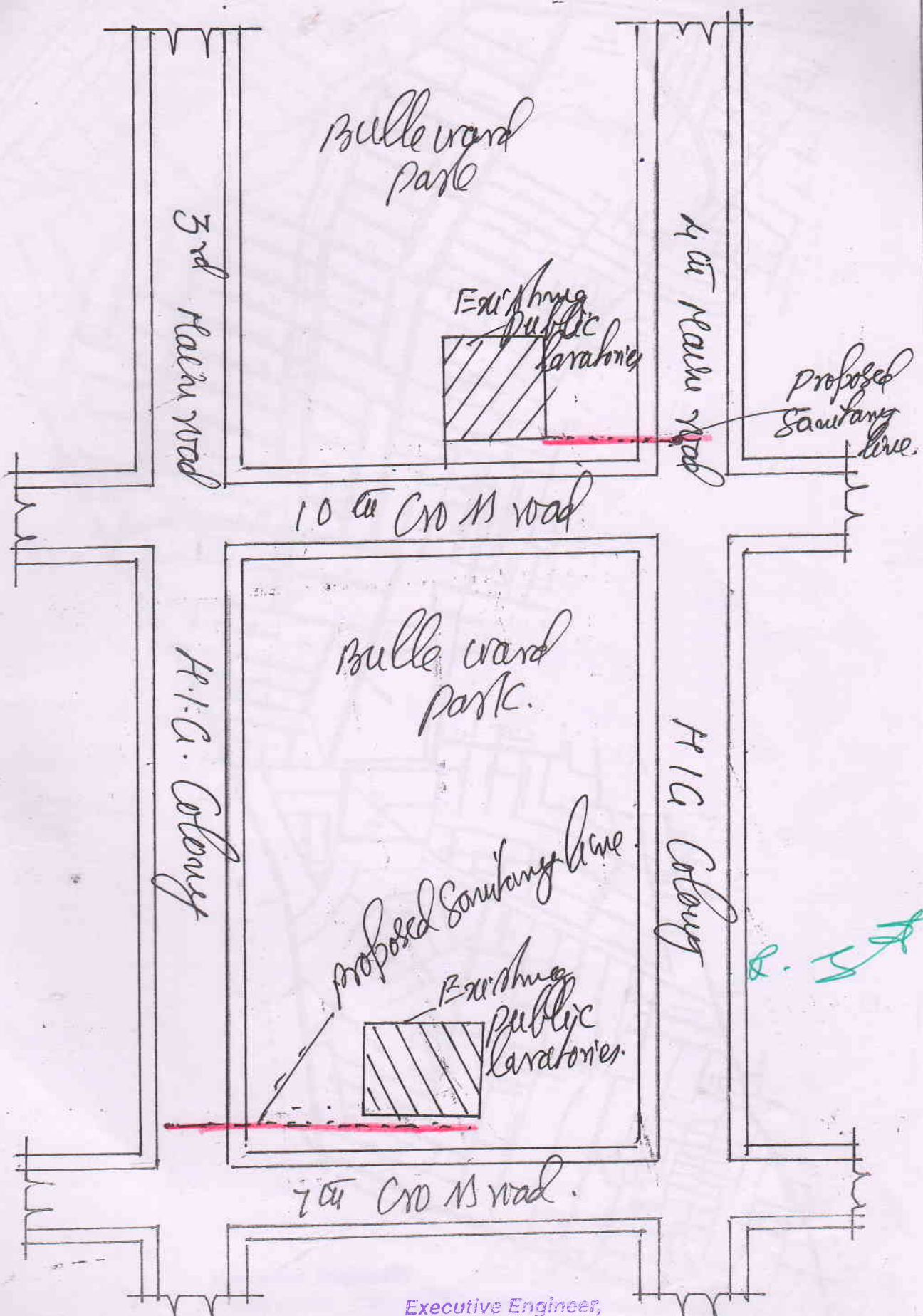
Exe. Engineer (H

TECHNICALLY SANCTIONED FOR
Rs One lakh Only
P1771, POW-2011-12
Under
Registered as EE(H) Vide No 09
Subject to conditions in enclosed memo
No Ts/ 09/ 12-13 Dt: 02-05-2012

JE/AE

E.E(H.)

Sketch for providing Sanitary Connection to the public toilets at Bulle ward park in ward no 18



Executive Engineer,
Hebbal Division,
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